

Appl. No. 10/607,737
Response to Office Action of 21 April 2006
Amendment Dated 21 July 2006

REMARKS/ARGUMENTS

The claims now in consideration are amended claims 1 & 2, new apparatus claims 3-4, and 7, and new method claims 5-6.

New Claims

Newly presented claims 3-7 are presented for consideration and are believed not to constitute new matter or restriction.

Allowable Subject Matter

Originally presented claim 1 was indicated to be allowable.

Applicant has made minor amendments to claim 1 for clarity, and to particularly correct the recitation of the "second signal."

Reconsideration and allowance of claim is respectfully requested.

102 Claim Rejection of Claim 2

Claim 2 was rejected as being by Udren.

Applicant respectfully traverses the examiner's 102 rejection, and requests reconsideration of amended claim 2 in view of the remarks that follow.

Applicant agrees with the examiner that the nonsinusoidal shape of the current signal indicates current transformer saturation, just as was described in the Udren's Background of the Invention. However, the prior art, nor Udren, set for a structure that independent generates a "signal means for generating a blocking signal" as recited in amended claim 2 of the present invention.

Accordingly, applicant contends that applicant's amended claim 2 is neither taught or suggested in any of the art of record, and allowance of claim 2 is respectfully requested.

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New Claims

Applicant has submitted new claims 3-7 for consideration and allowance.

Of particular note, claims 5-6 are method claims, and claim 7 is original claim 1 rewritten in somewhat different form.

Conclusion

1. Applicant has submitted amended claims 1-2 for reconsideration.
2. New claims 3-7 have been submitted for consideration and allowance
3. Claim 1 was previously indicated as being allowable, and is again presented for consideration.
4. Remarks have been made regarding the 102 rejection of claim 2.

Accordingly, allowance of all of the claims now in consideration is respectfully requested. Applicant respectfully requests that a timely Notice of Allowance be issued in this application.

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It is believed that these and any other issues with respect to allowance may be handled by a telephone interview. Accordingly, applicant respectfully requests that the Examiner contact the undersigned at 763-757-3762 if further discussion is desired.

Respectfully submitted,

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CERTIFICATE OF MAILING

hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Dated: 21 July 2006

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